

## Technical Information

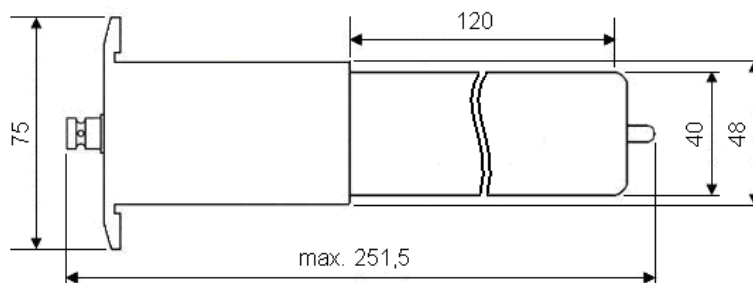
## XERADEX L40/120/SB-SX48/KF50HV

Revision: 1.0a - 05/2009

Supersedes: 1.0 - 07/2008

Status: valid

## Operating Instructions



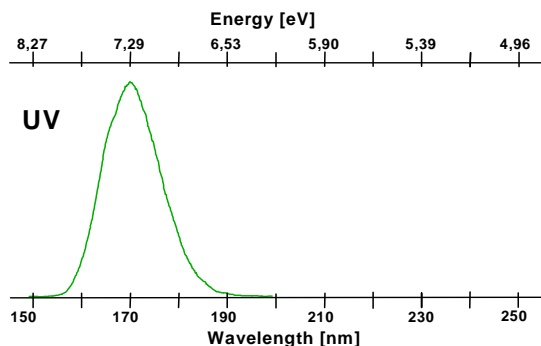
**OSRAM XERADEX®** VUV excimer lamps offer an exceptionally high VUV efficiency. XERADEX® lamps are the high-tech solution for cost effective surface cleaning/activation, purification or etching. The lamp is specially designed for use in vacuum.

### Electrical data

Rated power 20 W

### Spectral data

Peak wavelength 172 nm  
Radiation intensity at lamp surface 45 mW/cm<sup>2</sup>  
Generates ozone yes



### Operating conditions

Burning position any  
Cooling none (in vacuum)  
Electronic control gear (power supply) DBD 20

For complete operating, design-in, transportation and storage guidelines, please kindly refer to the **OSRAM XERADEX® Application Notes**.

### Dimensions

Overall length max. 251,5 mm  
Radiant length 120,0 mm  
Tube diameter 40,0 mm  
Socket diameter 48,0 mm  
Socket denomination ISO-KF50 Flange  
Connector MHV (BNC-HV)

### OSRAM Ident Code

A53403C 001D

### G-TIN (EAN) code

40 08321 21125 5

### NAED code

69550

### Applications

Surface treatment

- Removal of organic residue, resist
- Improved deposition (photoresist, detergents)
- Improved coating properties
- Etching (e.g. Teflon®)
- Activation of surface bonds
- Adjustment of contact angle

UV/ozone cleaning without external ozonator  
Water and air purification and detoxification  
Lacquer frosting

### Advice

- Lamp emits high energy UV radiation which is readily absorbed by oxygen under generation of ozone.
- Provide ample ventilation and operate the lamp in suitable environment only.
- Lamp is designed for operation with matching power supply. Do not connect to any other power supply.
- Lamp is operated at high voltage. Lamp may only be installed, exchanged and operated by qualified personnel.



OSRAM GmbH · Business Unit Specialty Lighting · Business Segment Display/Optic

Dr.-E.-Kersting-Strasse 6  
D-51688 Wipperfurth · Germany  
Phone +49 (0)2267 81-287  
Fax +49 (0)2267 81-465  
Email xeradex@osram.info  
Web www.osram.de

7F, No. 87, SongJiang Road  
Taipei City 10486 · Taiwan R.O.C.  
Phone +886 (0)2 25083502 ext. 824  
Fax +886 (0)2 25096782  
Email xeradex@osram.info  
Web www.osram.com



Technical data are nominal values. Variations with individual lamps are possible. Subject to change without notice. Errors and omissions excepted.